

# ILLINOIS

## WEATHER & CROPS



### ILLINOIS COOPERATIVE CROP REPORTING SERVICE

Illinois Department of Agriculture  
STATISTICAL REPORTING SERVICE\* USDA  
Box 429 Springfield, Illinois 62705  
Phone: (217) 492-4295

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#### CROP HI-LITES

- \*\*\* Corn - 93% dough, 56% dented, 7% mature
- \*\*\* Soybeans - 94% setting pods,  
8% turning yellow
- \*\*\* Soil Moisture - 4% short, 60% adequate,  
36% surplus

CORN on August 28 was reported as 35% in excellent condition, 63% good, and 2% fair. On August 30, 93% of the corn crop was in the dough stage, compared to 99% last year and an average of 95%. Fifty-six percent of the crop is dented compared to 82% last year and an average of 71%. Seven percent of the crop is mature compared to 37% last year and an average of 30%.

SOYBEANS on August 28 were reported as 15% in excellent condition, 77% good and 8% fair. As of August 30, 94% of the soybeans were setting pods compared to 98% last year and an average of 97%. Eight percent of the crop was turning yellow compared to 23% last year and an average of 20%.

ALFALFA HAY was reported as 26% excellent, 64% good and 10% fair on August 28. About 71% of the third cutting was complete on August 30 compared to 62% last year and an average of 61%.

PASTURES on August 28 were reported as 31% excellent, 65% good, and 4% fair.

SOIL MOISTURE on August 28 was reported as 4% short, 60% adequate, and 36% surplus.

For the week ending August 28, there were **3.75 DAYS SUITABLE** for **FIELDWORK**.

#### WEATHER

TEMPERATURES for the period of August 24 thru August 30 averaged 1 to 4 degrees above normal ending a 2-week cool period. Maximum temperatures in most areas climbed near a 90-degree mark during the first two days of the period. At the end of the week, 90-degree readings were again common in the South.

PRECIPITATION was heavy in the northern and southern sections while the central section received moderate amounts. One to two inches of rain were common in the North and South. The central portions generally recorded .35 of an inch; however, there were localities where heavier amounts were recorded. The Decatur area was deluged with 5.49 inches of rain in a 24-hour period on the 27th while other nearby areas recorded .10 of an inch. Local flooding occurred.

The Outlook for the period of September 1 through September 7 is for temperatures to be near normal and precipitation above normal over Illinois.

#### SOIL MOISTURE MEASUREMENTS

Soil moisture in a moderately well-drained Flanagan soil decreased substantially from the 17th to the 24th of August according to the Illinois State Water Survey. There was no measurable precipitation at the site during that week and the total soil moisture in the uppermost 7 feet decreased from 25.89 inches the week before to 24.53 inches. The most dramatic decreases were near the surface, where the soil moisture decreased from 2.20 to 1.54 inches during the week in the first 6 inches. From the surface to 20 inches, the soil moisture is now 5.71 inches and from the surface to 40 inches, now 12.35 inches. Obviously, the moisture decreases were due to no precipitation, percolation, and evaporation.

#### ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % dented (as of Aug. 30)	50	50	55	55	60	60	55	68	73	56	71
Alfalfa: % 3rd crop cut (Aug. 30)	63	63	75	65	87	78	78	93	87	71	61
Days suitable for fieldwork: (week ending Aug. 28)	2.5	3.0	5.0	3.5	2.5	5.0	3.0	4.5	5.5	3.75	
oil moisture %: (as of Aug. 28)											
Short	--	15	--	--	--	--	--	--	15	4	
Adequate	65	50	65	55	25	65	45	90	85	60	
Surplus	35	35	35	45	75	35	55	10	--	36	

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ILLINOIS WEATHER

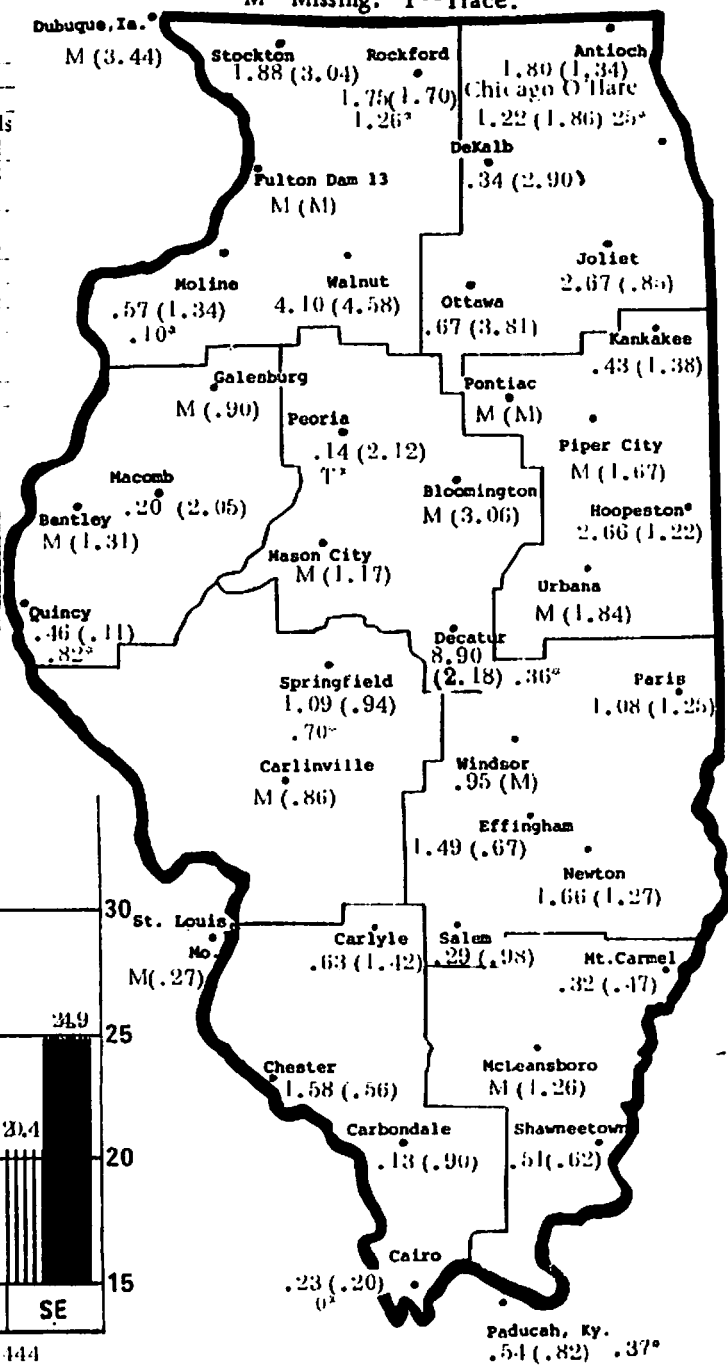
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	June	July	Aug. 3-9	Aug. 10-16	Aug. 17-23	Aug. 24-30
Chicago	+2	+1	0	-1	-4	+3
Moline	0	-2	-3	-3	-8	+3
Springfield	+2	+1	+1	-3	-5	+4
So. Central	+2	+1	+2	-2	-4	+2

PRECIPITATION:  
First figure--current week, August 21-27  
Parentheses--previous week  
Asterisk--Friday-Sunday  
M--Missing, T--Trace.

AUGUST 31				
STATION	Growing Degree Days*			
	Week ending Monday			
	Current week	3-year average	Totals 1980	Totals 1981
Dubuque, IA	155	2,406	2,642	2,438
Moline	168	2,685	2,786	2,644
Rockford	165	2,457	2,514	2,465
Chicago O'Hare	171	2,502	2,531	2,505
Quincy	162	2,945	3,129	2,769
Decatur	160	2,812	2,916	2,722
Peoria	173	2,701	2,801	2,838
Springfield	179	2,907	3,049	3,005
Cairo	189	3,282	3,345	3,373
St. Louis	185	3,201	3,380	3,270

\* Totals are accumulated from April 1.  
Growing degree days(GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 30 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.



ACCUMULATED PRECIPITATION  
(Inches)

LEGEND: Normal | Actual

April 1-August 31

April 1-August 27

